SIEMENS

# Monitor 44cm, 100/120HZ

SP

## Maintenance Protocol

Monitor 44cm, 100/120HZ

Monitor 44 cm, 100/120 Hz

| | |
|---|---|
| **Customer:** | |
| **Address:** | |
| **Department:** | |
| **Room:** | |
| **Contact person:** | |
| **Telephone:** | |
| **Cust. specific no.:** | |
| **Cust. no.:** | |
| **Date.:** | |

The instructions SPR2-230.101.01.02.02 are required for this protocol

© Siemens AG 1998
The reproduction, transmission or use of this document or its contents is not permitted without express written authority. Offenders will be liable for damages. All rights, including rights created by patent grant or registration of a utility model or design, are reserved.

Print No.: SPR2-230.105.01.02.02
Replaces: SPR2-230.105.01.01.02

English
Doc. Gen. Date: 08.05

| | |
|---|---|
| **SIEMENS Office:** | |
| | |
| **Address:** | |
| | |
| **Region:** | |
| **Country:** | |
| **Contact person:** | |
| **Tel.:** | |
| **CSE in charge:** | |
| **Tel.:** | |

**Remarks Regarding the Protocol:**

The protocol is valid as proof of quality for **one** check that must be performed on the system / component in one year.

The check must be performed in the specified intervals.

The results of the check are entered in this protocol.

The chapter numbers in front of the checkpoints indicate the corresponding chapters in the particular instructions (see cover page).

The protocol must be completely filled out by the Customer Service Engineer, i.e.:

- All boxes must be filled out. If a box does not apply to the system or if no entry needs to be made, check the “n.a.“ box.
- Enter the customer number (Cust. No.:) and the date of the check in the header of each page so that each page can be allocated to a customer and to a check date.
- If there are complaints, the IVKs for the component about which a complaint has been made as well as the type of complaint must be entered in the “Open Points“ table provided for this. Correction of these open points also must be documented in this table with the date and a signature. If there are no open points, check “No“ and document this with the date and a signature.
- If movable components (also test phantoms that are part of the system) that can be used in different systems are used for the check, they must be entered in the “Movable Components“ table provided for this.
- The measurement values for the measurements that must be performed during the check must also be entered in the open spaces / tables provided for them.
- After completing the check, Page 3 of this protocol must be filled out and signed.

### Further Processing and Archiving of the Protocol

The protocol is a document and thus must be archived. After completing the test, it must be filed in the corresponding register in the “System Owner Manual“ binder. If needed, a copy can be handed to the customer.

| | |
|---|---|
| **System:** | |
| **Serial No.:** | |
| **Software Version:** | |
| **Number of the Service Contract:** | |
| **Type of Maintenance:** | |

### Evaluating the Condition of the System / Component

| | |
|---|---|
| The system has no deficiencies. The image quality test resulted in no differences from required reference values. | ☐ |
| The system / component has slight deficiencies that have no affect on continued operation of the system. However they should be corrected preventively.<br>The image quality test resulted in no differences from required reference values. | ☐ |
| The system / component has serious deficiencies. For safety reasons, continued operation of the system is permitted only after successfully correcting the deficiencies. | ☐ |

**After completing all work steps, an evaluation was performed.**

Signature: _____

Date: Name:

The operator or a person assigned for this has taken note of this evaluation.

(if national regulations require this)

Signature: _____

Date: Name:

**Explanation of Abbreviations in the Protocol**

| Abbrev. | Explanation | | Abbrev. | Explanation |
|---|---|---|---|---|
| SI | Safety Inspection | | PMF | Preventive Maintenance, Operating Value Check, Function Check |
| SIE | Electrical Safety Inspection | | Q | System Quality, Image Quality |
| SIM | Mechanical Safety Inspection | | QIQ | Image Quality |
| PM | Preventive Maintenance | | QSQ | System Quality Check |
| PMP | Periodic Preventive Maintenance | | SW | Software Maintenance |
| PMA | Preventive Maintenance Adjustments | | CSE | Customer Service Engineer |

**Additional activities performed**

Only activities that are not described in the instructions for the system / component need to be listed.

| | **Date:** | | |
|---|---|---|---|
| **Additional activities performed:** | OK | not OK | n.a. |
| | ☐ | ☐ | ☐ |
| | ☐ | ☐ | ☐ |

**Open Points:**

Yes: ☐ No: ☐ Signature: _____

Date: Name:

If “Yes“, enter the component with the IVK and the open point (only the number) in the table. After completing maintenance, record this in the table.

| IVK | Component | Open Points | Completed | |
|---|---|---|---|---|
| | | | Date | Signature |
| | | | | |
| | | | | |

**Measuring Devices queried electronically:**

Yes: ☐ No: ☐ Signature: _____

Date: Name:

If the measurement devices are queried electronically, for example with a Scout Mobile Device, entry of the measuring devices in the table can be skipped.

| Measuring Devices | Type | Serial No. | Date Used | Next Calibration Due |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

**Movable Components:**

Yes: ☐ No: ☐ Signature: _____

Date: Name:

If “Yes“, enter the movable component with which the check was performed along with the with the Serial No. in the table.

Movable components (also test phantoms that are part of the system) are parts that can be used on different systems).

| Component | Serial No. |
|---|---|
| | |
| | |
| | |
| | |

OK not OK | n.a.

# 1 General information

# 2 Inspection of exterior and surroundings

## 2.1 Inspection of exterior

PMP Damage ☐☐☐

## 2.2 Inspection of surroundings

### 2.2.1 Power outlets

SIE Damage ☐☐☐

SIE Line voltage ☐☐☐

Measured value:

# 3 Safety inspection

## 3.1 Mechanical safety

SIM Monitor mounting ☐☐☐

SIM Console mounting ☐☐☐

SIM Warning labels ☐☐☐

SIM ID labels ☐☐☐

## 3.2 Electrical safety

SIE Cables and plugs ☐☐☐

SIE Protective conductor test ☐☐☐

Test circuit per VDE 0751-1:

| | | | |
|---|---|---|---|
| Test point 1: | | Measurement value 1: | |
| Test point 2: | | Measurement value 2: | |
| Test point 3: | | Measurement value 3: | |
| Test point 4: | | Measurement value 4: | |
| Test point 5: | | Measurement value 5: | |
| Test point 6: | | Measurement value 6: | |
| Test point 7: | | Measurement value 7: | |
| Test point 8: | | Measurement value 8: | |

SIE Leakage current ☐☐☐

OK not OK n.a.

| | | |
|---|---|---|
| Messkreis gemäß VDE 0751-1: | | |
| Measured value: | | mA |
| Power line voltage: | | V |
| Corrected value: | | mA |

# 4 Maintenance, operating value/functional inspection

## 4.1 Maintenance

| | | |
|---|---|---|
| PMP | Cleaning the monitor | ☐☐☐ |
| PMP | Basic brightness/contrast setting | ☐☐☐ |

# 5 Final result/quality inspection and maintenance

| | | |
|---|---|---|
| SIE | IQ test | ☐☐☐ |